

What Is Claimed Is:

1. A battery with a protection circuit provided with:
a power source having at least one battery;
a protection circuit comprising a protection switch
interpolated between a load having one end that is grounded
and the power source and a detection circuit that detects
overcharging or over-discharging of the battery and turns
off the protection switch;

a shield member that shields at least the protection
switch; and

an insulating member provided between the shield
member and the protection circuit and between the shield
member and the battery,

wherein the shield member is connected to one end
of the load in a DC fashion, and

wherein the shield member is connected to an
electrode other than a negative electrode of the battery
that is connected to one end of the load in a high frequency
fashion.

2. The battery with the protection circuit according
to claim 1, wherein the battery with the protection circuit
is provided with:

a negative electrode terminal connected to a
negative electrode of the power source;
a voltage detection terminal connected to a positive
electrode of the power source;

an overcurrent detection terminal that is used to measure a current that flows through the protection switch; and

a control terminal that generates a signal to turn off the protection switch,

wherein the shield member shields the voltage detection terminal, the overcurrent detection terminal, and the control terminal.